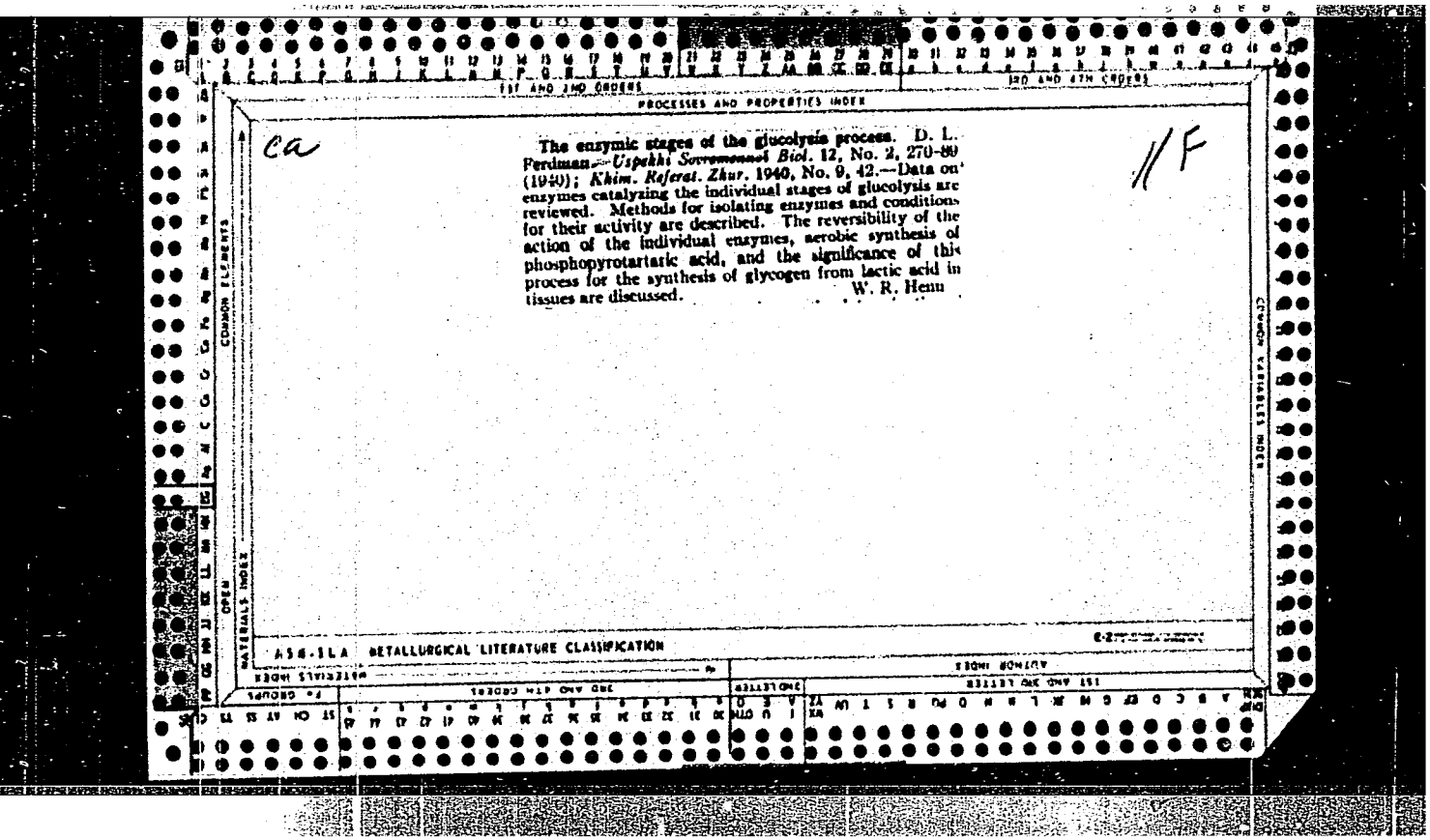


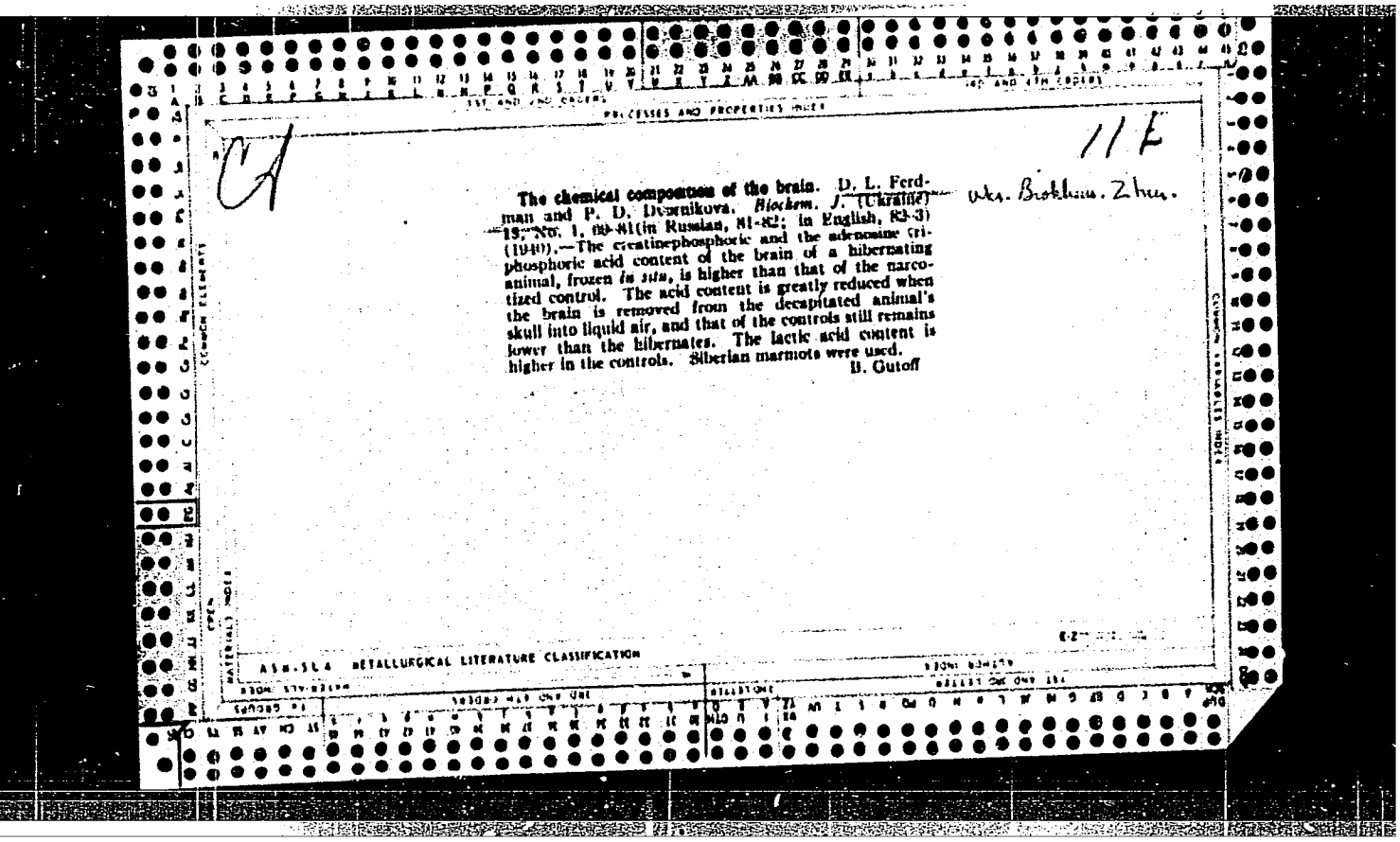
PROCESSES AND PROPERTIES INDEX

ca

The enzymic stages of the glucolysis process. D. L. Ferdman.—*Uspekhi Sovremennoi Biol.* 12, No. 2, 270–89 (1940); *Khim. Referat. Zhur.* 1940, No. 9, 42.—Data on enzymes catalyzing the individual stages of glucolysis are reviewed. Methods for isolating enzymes and conditions for their activity are described. The reversibility of the action of the individual enzymes, aerobic synthesis of phosphopyrotartaric acid, and the significance of this process for the synthesis of glycogen from lactic acid in tissues are discussed. W. R. Henn

11F

A56-1LA METALLURGICAL LITERATURE CLASSIFICATION



CA

11 E

The chemical composition of the brain. D. L. Ferdman and P. D. Dvornikova. *Biochem. J. (Ukraine)* 19, No. 1, 69-81 (in Russian, 81-82; in English, 83-3) (1940).—The creatinephosphoric and the adenosine triphosphoric acid content of the brain of a hibernating animal, frozen *in situ*, is higher than that of the narcotized control. The acid content is greatly reduced when the brain is removed from the decapitated animal's skull into liquid air, and that of the controls still remains lower than the hibernates. The lactic acid content is higher in the controls. Siberian marmots were used.

B. Gutoff

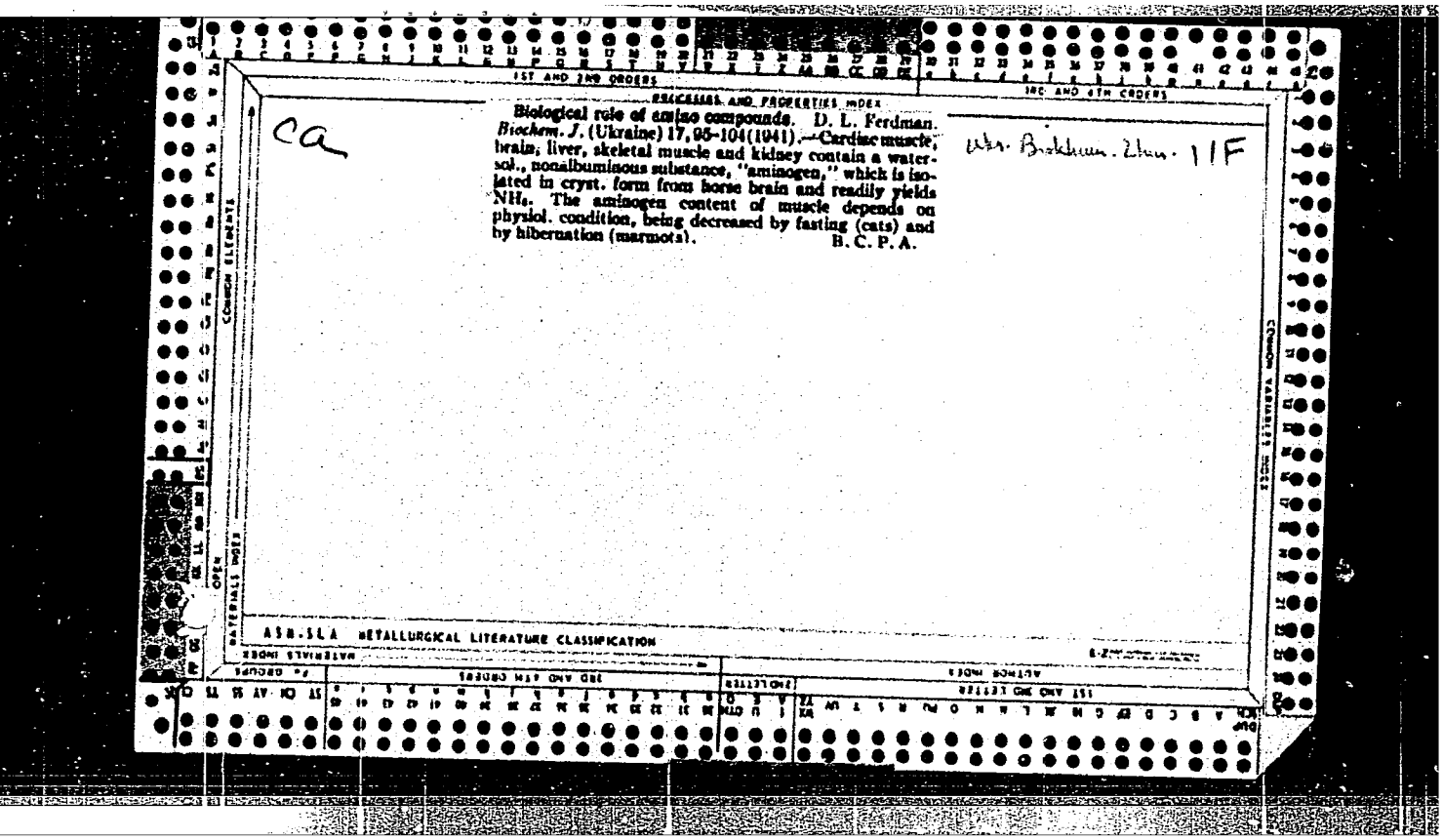
wks. Biokhim. Zhur.

ASM-SLA METALLURGICAL LITERATURE CLASSIFICATION

FERDMAN, D. L.

"Biological role of amids." (p. 191) by D. L. Ferdman

SO: Advances in Modern Biology (Uspekhi Sovremennoi Biologie) Vol. XIV, No. 2, 1941

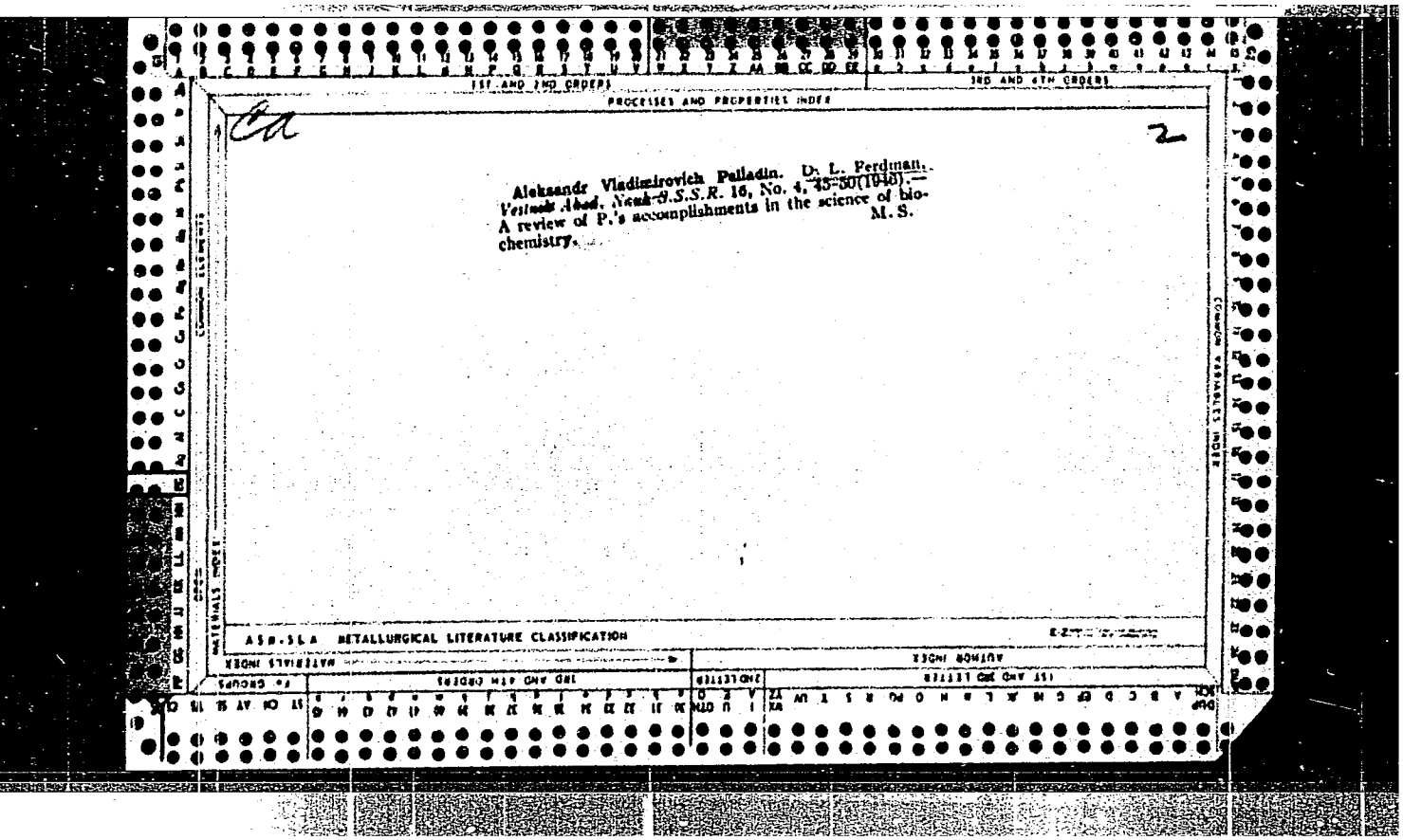


ca

Biological role of amino compounds. D. L. Ferdman. *Biochem. J.* (Ukraine) 17, 95-104 (1941).—Cardiac muscle, brain, liver, skeletal muscle and kidney contain a water-sol., nonalbuminous substance, "aminogen," which is isolated in cryst. form from horse brain and readily yields NH_3. The aminogen content of muscle depends on physiol. condition, being decreased by fasting (cats) and by hibernation (marmots). B. C. P. A.

Ukr. Biokhim. Zhur. 11F

ASM-SLA METALLURGICAL LITERATURE CLASSIFICATION



1ST AND 2ND ORDERS

3RD AND 4TH ORDERS

PROCESSES AND PROPERTIES INDEX

ca

11 F

Oxidizing synthesis of phosphopyruvic acid in muscle tissue. D. L. Ferdman and S. F. Epshtein. *Chem. Biochem.* 17, 18, 53-62(1940)(English summary); cf. *C.A.* 34, 4381[6]; 36, 4561[1].—Adding 50 ml. of 2% $NaHCO_3$ in 0.5 *M* lactate and KH_2PO_4 to 20 g. of minced muscle tissue (pigeon) and incubating for 90 min. at 40° under aerobic conditions caused the formation of 13-40 mg. % of P as phosphopyruvic acid (I), with a corresponding decrease of inorg. P (42-130 mg. %). I was also formed on oxidation of succinic, malic, fumaric, oxalacetic, citric, and pyruvic acids; adenosinetriphosphoric acid intensified the synthesis. NaF did not interfere; thus the probability of the formation of I from glycogen is excluded. This is an important link in the synthesis of glycogen.

Boris Gutoff

ASM-SLA METALLURGICAL LITERATURE CLASSIFICATION

1ST AND 2ND ORDERS

PROCESSES AND PROPERTIES INDEX

CA

11 A

Adenylic acid deamination by muscle. D. L. Ferdman and Z. Yu. Nechiporenko. *Ukrain. Biokhem. Zhur.* 18, 11(1946).—To find the protein fraction contg. Schmidt's deaminase (2% $NaHCO_3$ ext. of protein) an investigation was made on the deamination of adenylic acid with the myosin fractions obtained from the shoulder muscles of rabbits. The cooled and finely divided muscle (20 g.) was extd. for 1 hr. with 4.5% KCl soln. in $NaHCO_3$ buffer (0.84 g. $NaHCO_3$ and 0.27 g. Na_2CO_3/l. H_2O); the myosin fraction was pptd. directly from the filtrate by dilg. with 20 vols. of ice water, or dialyzing, and finally centrifuging. The fraction was indicated as M_1, the subsequent repptns., as M_2, M_3, etc.; the centrifugates, as C_1, C_2, etc. The myosin gel, with 0.1 *M* acetate buffer (pH 5.9) and 1 ml. of a neutralized soln. of adenylic acid, made up to a total vol. of 5 ml., was incubated for 30 min. at 37° and the protein pptd. with a 6% soln. of CCl_3CO_2H. To 0.5 and 0.5; 1.0 and 2.0; 1.0 and 1.0; 1.0 and 3.0 ml. of M_1 and M_2, resp., analyzing 0.55 and 0.30; 3.10 and 4.0; 1.40 and —; 2.07 and 1.70 mg. of N, adenylic acid (95, 135, 120, and 95 γ amino N, resp.) was added, resulting in deamination of 62% and 75%; 94 and 71; 100 and 100; and 93–100. The fractions M_1-M_3 and C_1-C_3, but not C_4 and C_5, possessed the deaminizing property; the amt. of chlorides in the *C* fractions was low enough (0.035–0.006 *M*) to insure complete sepn. of the myosin. B. G.

ASM-SLA METALLURGICAL LITERATURE CLASSIFICATION

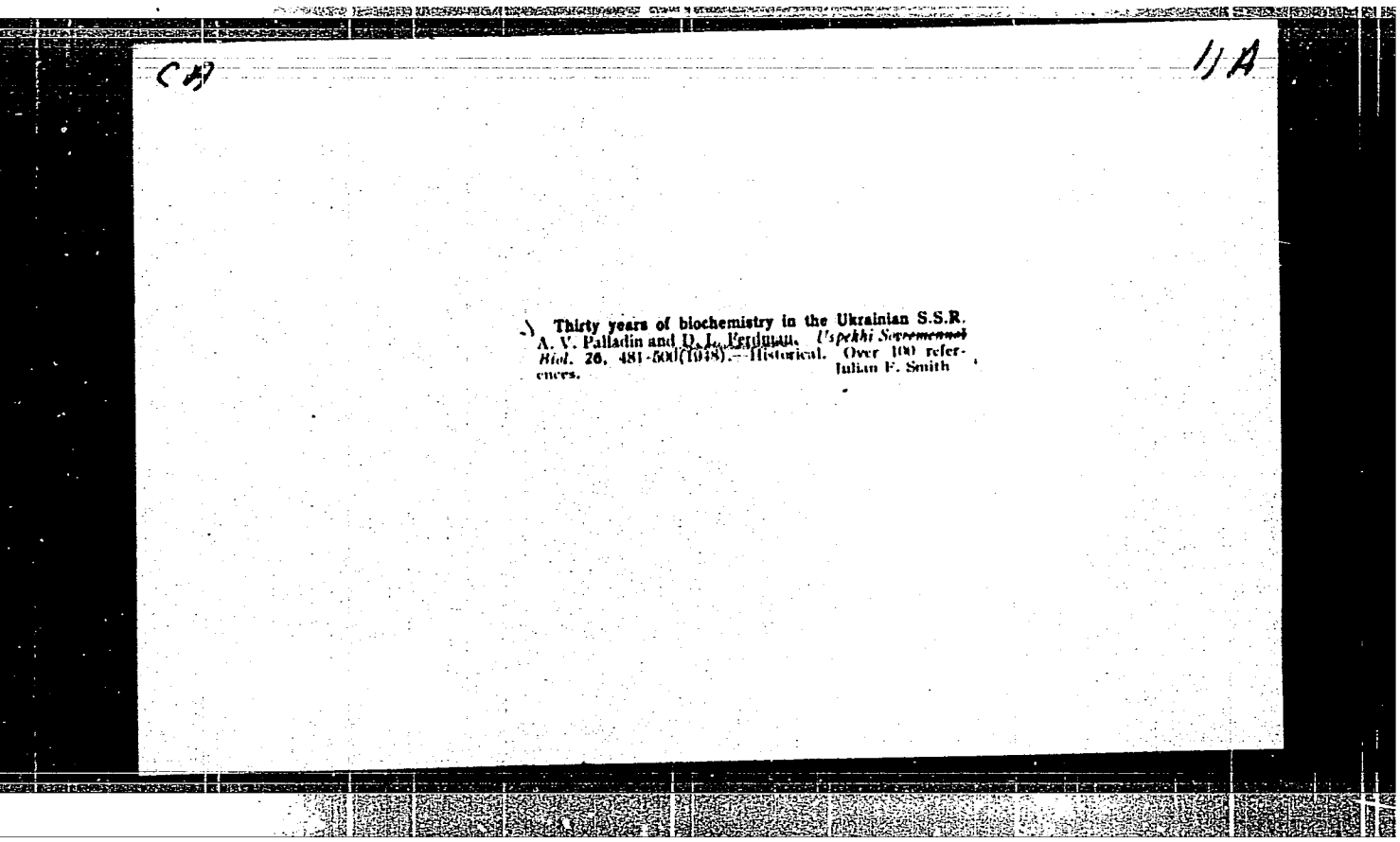
FERDMAN, D. L.

"Anaerobic Fermentation of Carbohydrates" (p.185) by Ferdman, D. L. (Kiev)

SO: Advances in Modern Biology (Uspekhi Sovremennoi Biologii) Vol XXI, No. 2, 1946

Study of the enzyme system of adenosinetriphosphoric acid deamination. D. L. Ferdman and Z. Yu. Nechiporenko. *Ukrain. Biokhim. Zhur.* 20, 124–35(in Russian. 135-7)(1948); cf. *C.A.* 42, 8847g.—The loss of deamination properties of reppid. myosin (M_1) was investigated. Muscle tissue ext. was added to M_1 (0.7-0.8 mg. N), adenosinetriphosphoric acid (ATP) (48-84 γ amino N), 0.1 *M* glycine buffer 0.5–1 ml. (pH 8.9), total vol. 2.8–4.0 ml., with incubation 30 min. at 37°. The added ext. increased deamination from 0 (control) to 70 γ amino N; 72-hr. dialysis lowered this activity somewhat, but not 18-hr. Heating the ext. for 5 min. at 100° intensified the dialysis effect, almost completely inactivating it after 18 hrs. The fraction of heated ext. obtained by ppta. with $(NH_4)_2SO_4$ (50% satn.) had little activity; greater activity was shown by that from 80 to 100% satn. A similar effect was observed with acetone and CCl_3CO_2H. Treating the ext. with pepsin (and HCl) for 20 hrs. at 37° inactivated it. Since the active component can be obtained by protein precipitants, and is destroyed by pepsin, then it must be a protein; the loss of activity on dialysis of the heated ext., and the loss of activity on dialysis of the CCl_3CO_2H ppt., indicates that it also contains a low mol. wt. compd., which is destroyed at 100°.

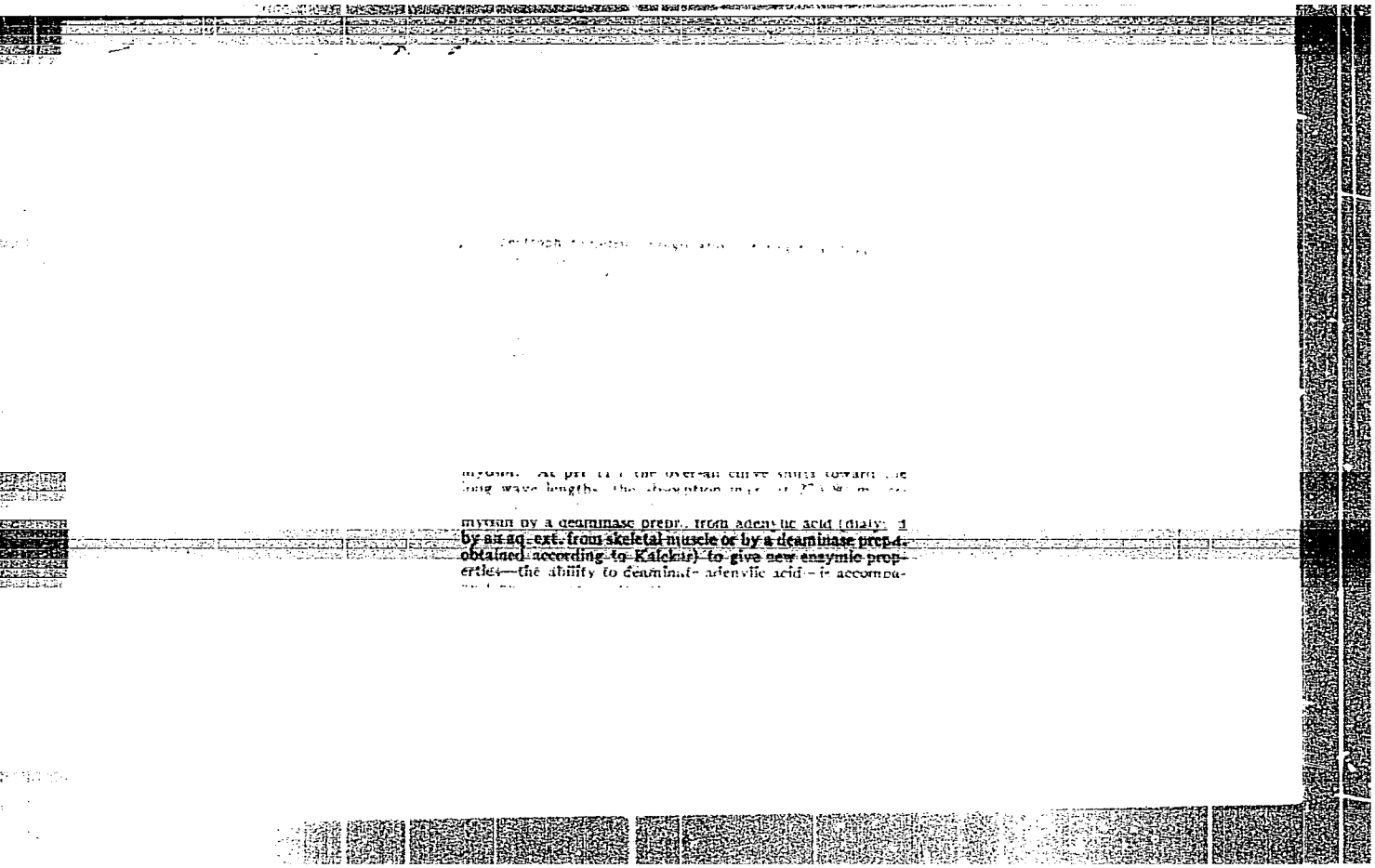
Boris Gutoff



CA

11A

Thirty years of biochemistry in the Ukrainian S.S.R. A. V. Palladin and D. L. Ferdman. *Uspekhi Sovremennoi Biol.* 26, 481-500(1948).—Historical. Over 100 references. Julian F. Smith



myosin by a deaminase prepn. from adenylic acid (daily: 1 by an aq. ext. from skeletal muscle or by a deaminase prep'n. obtained according to Kalckar) to give new enzymic properties—the ability to deaminate adenylic acid—is accompa-

FRIMAN, D.L.

Processes of forming and eliminating ammonia in living organisms. Uspekhi Biol. Khim. 1, 216-41 '50. (MLRA 5:8)
(CA 47 no.14:7069 '53)

Biochemical data on experimental muscular dystrophy of the rabbit. I. The effect of adenosinetriphosphate (ATP) upon dystrophic muscle processes. D. L. Ferdman and V. A. Grigor'eva (Inst. Biochem., Acad. Sci. Ukr. S.S.R., Kiev). *Ukrain. Biokhim. Zhur.* 22, 41-8(48-52, In Russian)(1950).—ATP introduced in small amts. into rabbits on a vitamin B-deficient diet inhibited the development of muscular dystrophy. ATP is proposed as a therapeutic agent for therapy of muscular ailments in man.
Clayton F. Holoway

FERDMAN, D.L.

Chemical Abstracts
Vol. 48 No. 5
Mar. 10, 1954
Biological Chemistry

Removal of ammonia injected into the animal organism. D. L. Ferdman and S. F. Epshtein (Acad. Sci. Ukr. S.S.R., Kiev). *Ukrain. Biokhim. Zhur.* 22, 481-90(1950)(in Ukrainian with Russian summary); cf. *C.A.* 46, 8224a.—Every 10 min. for an hr., 1–2 ml. portions of 5% NH_4Cl were injected into the ear vein of rabbits to a total of 120–200 mg. N, expressed as ammonia N. Muscle, heart, brain, liver, kidney, and lungs were minced in the cold, and 4% CCl_3COOH was added to the minced prepns. to ppt. the protein. Ammonia and glutamine amide N were detd. in the protein-free ext. Ammonia and glutamine contents increase as a result of the introduction of NH_4Cl; hence detoxication of ammonia in different organs occurs by way of glutamine formation. At 2 hrs. and 30 min. after introduction of NH_4Cl into the blood, the ammonia content approaches the normal level. The introduction of glutamic acid leads to increased glutamine concn. in the organs, but ammonia remains unchanged. Introduction of glutamic acid plus NH_4Cl leads to increased concn. of both glutamine and ammonia. It is concluded that glutamine synthesis is widespread in the animal organism and can be considered to be a universal process for removal of ammonia from tissues.

Clayton F. Holoway

CA

11 F

Effect of adenosine triphosphate on the course of atrophic process in muscle. D. L. Feldman, A. Ya. Mestrchkina, and N. V. Semenov. *Doklady Akad. Nauk S.S.S.R.* 75, 737-9(1950).—Denervation of rabbit leg muscle (sciatic nerve) leads to severe loss of wt. in the limb within 2-4 weeks. If adenosine triphosphate (ATP) is introduced intramuscularly (into back) in the form of Ca salt 4–5 days after the operation, the muscle wt. loss is but 21% instead of 50%. Dosage is unstated. A similar effect is observed with sensitivity of the muscle, which without ATP drops to 40% of normal in 28 days, while with ATP it drops only to 80% of normal. Creatine and easily hydrolyzable P are also maintained at much higher levels in the denervated muscle when ATP is added than is the case without added ATP. The retarding effect of ATP on atrophy is thus shown. G. M. Kosolapoff

Dokl-AN SSSR

1951

FERDMAN, D. L.

USSR/Medicine - Muscular Dystrophy, Jan/Feb 51
Vitamins

"Morphological Changes in Rabbit Muscles in Experimentally Induced Muscular Dystrophy," N. A. Maksimovich, D. L. Ferdman, V. A. Grigor'eva, Inst Biochem, Acad Sci Ukrainian SSR, Chair of Pathol Anat, Inst for Advanced Tng of Physicians, Kiev

"Arkhiv Patol," Vol XIII, No 1, pp 56-61

To obtain parallels for cases of progressive muscular dystrophy with attendant morphol changes in muscles and disturbances of metabolism in man, rabbits were fed on diet deficient in Vitamin E. They quickly developed dystrophic changes of

186T66

USSR/Medicine - Muscular Dystrophy, Jan/Feb 51
Vitamins (Contd)

skeletal muscles, which reached the point of necrosis. Concurrently, disturbances of creating metabolism set in. Intramuscular injections of adenosine triphosphoric acid slow down dystrophy process induced by Vitamin E deficiency. This is borne out by morphol investigations which agree with the findings of metabolism investigation. While adenosine triphosphoric acid obviously affects metabolism in the muscles and has great therapeutic value, the reason for its action is not yet understood.

186T66

1. D. L. FERDMAN

2. USSR (600)

4. Biochemistry - Congresses

7. Scientific conference devoted to the twenty-fifth anniversary of the institute of Biochemistry of the Academy of Sciences of the Ukrainian S. S. R." Visnyk AN URSR 23 no. 2. 1951.

9. Monthly List of Russian Accessions, Library of Congress, April 1953, Uncl.

Ammonia, glutamine, and glutamic acid in the skeletal muscle in hypoxemic condition. D. L. Ferliman and A. I. Silakova. *Doklady Akad. Nauk S.S.S.R.* 80, 657-9 (1951).—Rabbits kept in hypoxemia (evacuated chamber corresponding to 7500–8500 m. altitude) display lowered action of central nervous system, a lowering of amino N in the blood by some 20%, an increase of glutamine by some 30%, and decline of glutamic acid by some 30%. Expts. were of 5-7 hrs. duration. G. M. Kosolapoff

FERDMAN, D. L.

PA 227T19

USSR/Chemistry, Biological - 1 Aug 52
Phosphorylation, Isotopes

"Intensity of the Metabolism of Phosphorus Compounds in the Muscles of Rabbits During Experimental Muscular Dystrophy (E Avitaminosis)", D.L. Ferdman, Corr Mem, Acad Sci USSR, V.A. Grigor'yeva, Inst Biochem, Acad Sci USSR

"Dok Ak Nauk SSSR" Vol 85, No 4, pp 863-866

Using radioactive phosphorus as a tracer, detd the intensity of the introduction of that phosphorus into the fractions of total and acid-sol phosphorus, ATP (adenosine triphosphoric acid), inorg phosphate, and creatine phosphate.

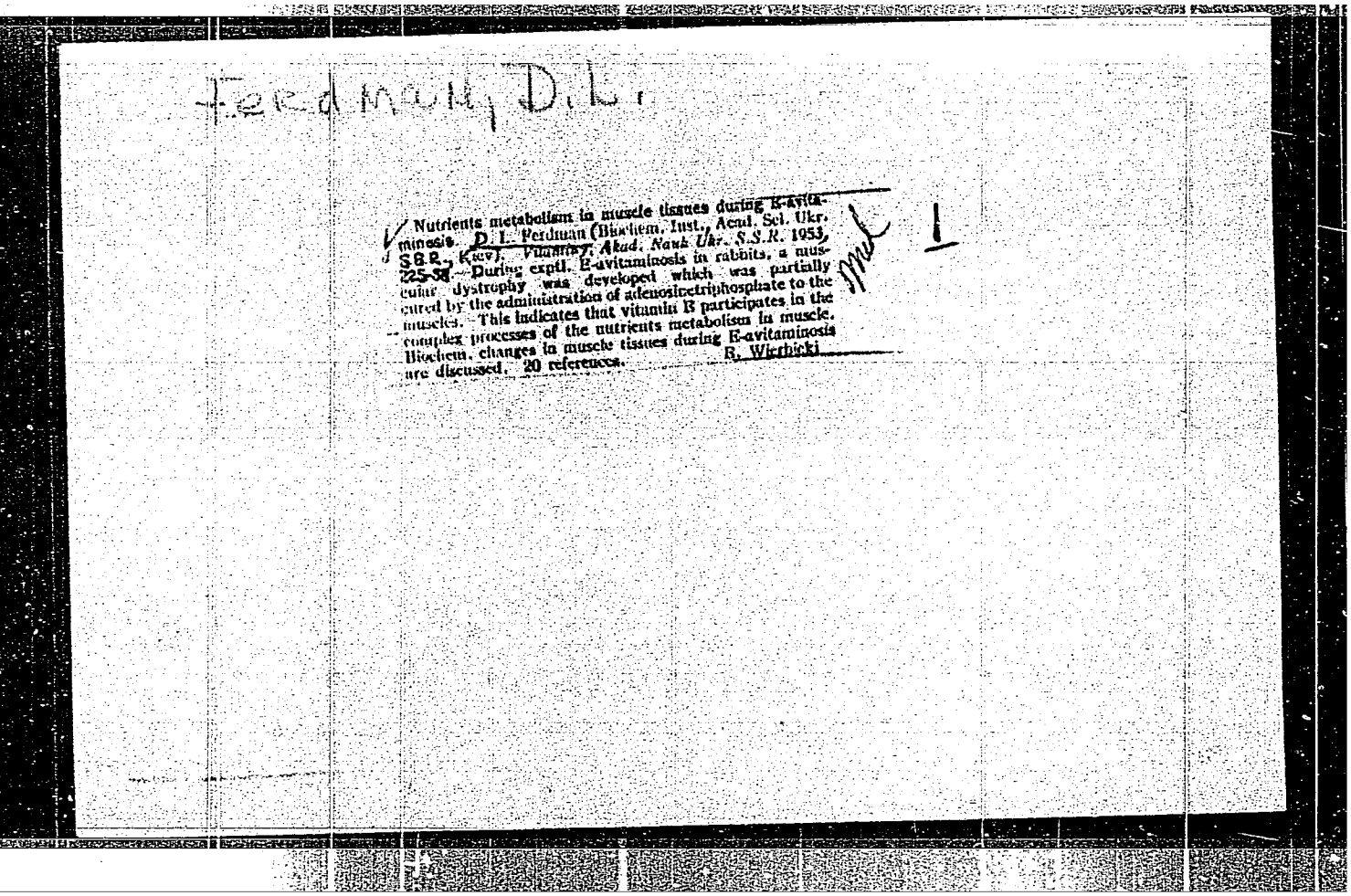
Found by isolating the compds and fractions in question and by detg their radioactivity that phosphorus metabolism proceeds much faster in the muscles of dystrophic rabbits than normal ones. This is not due to an increased content of radioactive phosphorus in the blood of dystrophic rabbits and compensates for a lowered content of the energy-rich ATP and creatine phosphate in the muscles of the latter.

227T19

Ferdman, D. L.

Ferdman, D. L.: Biokhimiya zabolevaniya myshts.
(Biochemistry of Muscle Ailments). Kiev: Izdatel. Akad. Nauk Ukr. S.S.R. 1953. 72 pp. c. 3, l. 45

1



Feedmill Dig

Nutrients metabolism in muscle tissues during E-avitaminosis. P. I. Perdnian (Biochem. Inst., Acad. Sci. Ukr. S.S.R., Kiev). *Visnyk Akad. Nauk Ukr. S.S.R.* 1953, 225-38.—During exptl. E-avitaminosis in rabbits, a muscular dystrophy was developed which was partially cured by the administration of adenosinetriphosphate to the muscles. This indicates that vitamin E participates in the complex processes of the nutrients metabolism in muscle. Biochem. changes in muscle tissues during E-avitaminosis are discussed. 20 references. R. Wirthicki

FERDMAN, D.L.; EPSHTEYN, S.F.

Data on the participation of muscle proteins in the processes of ammonia elimination in the animal organism. Ukr.biokhim.zhur. 25 no.3:288-294 '53. (MLRA 6:8)

1. Instytut biokhimiyi Akademiyi nauk URSR. (Ammonia) (Muscle)

Inbroduction into the blood stream of rabbits of ammonium chloride by injecting an amount equivalent to 120-180 mg of nitrogen was found to be followed by participation of carboxylic groups of muscle proteins in the elimination of ammonia. On the basis of new observations concerning amide formation at the carboxylic groups of proteins of muscles, it can be concluded that body tissues possess an extensive capacity for eliminating the toxic action of ammonimu ions. This is of particular interest if consideration is given to the fact that ammonia formation is an important step in nitrogen metabolism. On desamidation of the proteins, mobile glutamine is formed. 261T61

YAKOVLEV, M.M., professor [reviewer]; FERDMAN, D.L. [author].

"Biochemistry of muscle diseases." D.L.Ferdman. Reviewed by M.M.IAkovlev. (MLRA 6:11)
Ukr.biokhim.zhur. 25 no.4:462-465 '53.
(Muscle) (Ferdman, D.L.)

FERDMAN, D. L.

Chemical Abstracts
May 25, 1954
Biological Chemistry

(2)

Complex of adenylic acid deaminase with myosin. Z. Yu. Nechiporenko and D. L. Ferdman. *Doklady Akad. Nauk S.S.S.R.* 92, 803-6(1953); cf. *Ukrain. Biokhim. Zhur.* 21, 150(1949); *C.A.* 42, 8847g.—It was shown that in atrophy of skeletal muscle caused by inactivity the quantity of water-sol. adenylic acid deaminase present as a complex with myosin declines, while the quantity of myosin-free enzyme rises. Heart myosin is free of deaminating activity, but acquires it on treatment with the enzyme followed by 1–2 pptns. Myosin increases thermal stability of the deaminase and the increase parallels the amounts of added myosin. Stability to ultraviolet is affected similarly. The enzyme activity is not specific for the complex with myosin alone, for egg albumin also tends to increase the activity of the deaminase.

G. M. Kosolapoff

FERDMAN, D. L.

Chemical Abst.
Vol. 48
Apr. 10, 1954
Biological Chemistry

Glutaminase of the muscle. D. L. Ferdman and A. I. Silakova. *Doklady Akad. Nauk S.S.S.R.* 92, 1011-14 (1953).—Adult rabbit muscle and heart tissues, especially the latter, show distinct glutaminase activity of the order shown by lungs and seminal organs. pH optimum is 7.0–7.5 and 9.0–9.5; at pH 8 the activity is low. The enzyme is assocd. with the water-insol. fraction of the proteins and much of its remains after 20-min. extn. with H_2O.
G. M. Kosolapoff

Ferdman, D. L.

The Committee on Stalin Prizes (of the Council of Ministers USSR) in the fields of science and inventions announces that the following scientific works, popular scientific books, and textbooks have been submitted for competition for Stalin Prizes for the years 1952 and 1953. (Sovetskaya Kultura, Moscow, No. 22-40, 20 Feb - 3 Apr 1954)

Name	Title of Work	Nominated by
Ferdman, D. L. Grigor'yeva, V. A. Man'kovskiy, B. N. Sionimskaya, V. M. Maksimovich, N. A.	"Biochemistry and Therapy of Muscle Diseases"	Presidium, Academy of Sciences Ukrainian SSR

SO: W-30604, 7 July 1954

FERDMAN, D.L., professor.

Role of Russian scientists in studying carbon metabolism in structureless substances from cells. Pratsi Kyiv.un.2:157-163 '54. (MLRA 10:1)

(Cells) (Carbon metabolism)

FERDMAN, D.L.

Development of biochemistry in Ukraine. Biokhimiya 19 no.3:373-380 My-Je '54. (MLRA 7:8)
(BIOCHEMISTRY, history,
Russia)

FERDMAN, D. L.

USSR/Chemistry - Biochemistry

Card 1/1 : Pub. 77, 12/26

Authors : Ferdman, D. L., Mem. Corresp. Acad. Sci. USSR

Title : Biochemistry of the muscles

Periodical : Nauka i zhizn' 21/7, 22 - 24, July 1954

Abstract : Some description of the structure of the muscles is given. The chemical compounds and individual elements composing muscle cells are given and the roles they play are discussed. Explanation is given of the physico-chemical processes by which oxygen is taken from the blood and CO_2 returned to it. The question of supplying the body with such nourishment as will maintain the muscles in best condition and insure their proper functioning is also dealt with. Illustrations.

Institution : ...

Submitted : ...

FERDMAN, D. L.

"The Application of Radioactive Isotopes to the Study of the Biochemistry of Muscles," a paper presented at the Atoms for Peace Conference, Geneva, Switzerland, 1955.

FERDMAN D. L.

FERMAN, D.L., (Kiyev)

Scientific, pedagogical, and public activities of Academician A.V.Palladin. Usp.sovr.biol.40 no.1:3-7 Jl-Ag '55 (MLRA 8:10)
(BIOGRAPHIES,
Palladin, A.V.)

Ferdman, D. L.

UTEVSKIY, Aron Mikhaylovich; FERDMAN, D.L., otvetstvennyy redaktor; SNEZHIN, M.I., redaktor izdatel'stva; ROZENTSVEYG, Ye.N., tekhnicheskiy redaktor

Aleksandr Vladimirovich Palladin. Kiev, Izd-vo Akademii nauk USSR, 1956. 66 p. (MIRA 9:12)

1. Chlen-korrespondent AN USSR (for Utevskiy). 2. Chlen-korrespondent AN SSSR i AN USSR (Ferdman)
(PALLADIN, ALEKSANDR VLADIMIROVICH, 1885-)

FERDMAN EXCERPTA MEDICA SEC 8 Vol 12/2 Neurology Feb 59

B-L

864. MUSCLE PROTEIN CONTENT AND REPLACEMENT RATE FOLLOWING DENERVATION (Russian text) - Ferdman D.L., Grigoreva V.A. and Medovar E.N. Biochem. Inst., Ukrainian Acad. of Scis, Kiev - UKR. BIOKHIM. ZH. 1956, 28/3 (278-285) Tables 4

In adult rabbits a 0.8-1.0 cm. length of sciatic nerve was removed on one side. Methionine-S^{35} in a dosage of 6.10^3-7.10^3 imp./min./g. weight was injected into animals s.c. at various intervals of time after denervation. The total protein content and replacement rate and the total fraction of water-soluble proteins, myosin and actin were determined in the thigh muscles of the denervated limb and in the symmetrical muscles of the control limb. Ten to 12 days after operation, when muscle weight loss was about 20%, there was no manifest change in the content of total and of water-soluble proteins; inclusion of radioactive methionine in these proteins as well as in myosin and actin was somewhat diminished. Starting 20 days after denervation there were more notable changes; the protein content of the muscle fibres had decreased and its replacement rate had risen. In the water-soluble protein fraction where these changes were most striking, by the 30-35th day the protein content was down by 45%, and at the same time the rate of replacement was up by more than 200%. The rate of replacement of myosin had increased by 145%. References 9.

Lebedeva - Moscow (s)

FERDMAN, D.L.

FERDMAN, D.L.; SOPIN, Ye.F.; VOYNAR, A.I., red.; LIPKINA, T.G., red.izd-va; GAMZAYEVA, M.S., tekhn.red.

[Practical work in biological chemistry] Praktikum po biologicheskoi khimii. Moskva, Gos.izd-vo "Sovetskaia nauka," 1957. 292 p. (MIRA 11:2)

(BIOLOGICAL CHEMISTRY--LABORATORY MANUALS)

FRIDMAN, D.L.

Studies of biochemical processes in muscles in dystrophy and atrophy.
Vop.med.khim. 3 no.5:351-366 S-O '57. (MIRA 10:12)

1. Institut biokhimii Akademii nauk USSR, Kiyev.
(MUSCLES, diseases,
exper. atrophy & dystrophy, metab. responses (Rus))

T-2

USSR / Human and Animal Physiology. Metabolism.

Abs Jour : Ref Zhur - Biologiya, No 1, 1959, No. 3060

Author : Yerdman, D. L.; Sopin, E. F.
Inst : Kiev University
Title : Intensity of Regeneration of the Amino Acids Component of the Nitrogen in Tissues During Avitaminosis

Orig Pub : Nauk. zap. Kiivs'k. un-t, 1957, 16, No 20, 71-76

Abstract : In rats, where avitaminosis D was not accompanied by starvation, the intensity of regeneration of the amino acid component of the proteins was reduced in the cardiac and skeletal muscles and in the kidneys, while in the liver it remained unchanged. In avitaminosis E, the intensity of regeneration of the amino acid component of the proteins (IR) was reduced in various parts of the central nervous system, in the liver, and in the kidneys. In avitaminosis B_1, the change in the (IR) was comparatively

Card 1/2

3

Abs Jour : Ref Zhur - Biologiya, No 1, 1959, No. 3060

small in the skeletal muscles, in the liver, and in the brain. In avitaminosis C, there was a considerable reduction in the (IR) in the cardiac and skeletal muscles, in the brain, the liver, and the kidneys. However, the reduction in the (IR) in the last case was considerably less marked than in cases of complete starvation of rats, which was accompanied by a comparatively smaller loss of weight as compared to that observed in avitaminosis C.

FERDMAN D.L.

EXCERPTA MEDICA Sec.2 Vol.11/3 Physio-biochem. Mar 58

1105. GLUTAMINE TRANSFORMATIONS IN MUSCLE (Russian text) - Ferdman D.L. and Silakova A.I. Inst. of Biochem., Acad. of Scis of Ukrainian SSR, Kiev - BIOKHIMIIA 1957, 22/1-2 (283-294) Graphs 5 Tables 4

Fatigue of skeletal and cardiac muscles of the cat causes an increase in the ammonia and glutamic acid content while the glutamine amide N decreases. A similar phenomenon is noted also in skeletal muscles of rabbits stimulated in situ with induction current. The optimum of glutaminase activity lies at pH 9-9.5. Glutaminase activity greatly increases in skeletal muscles upon exercise while after rest it returns to the normal level. The suggestion is thus indicated that glutamine may act as an ammonia source in active muscles. Upon aerobic incubation of muscle tissue in phosphate buffer (pH 7.22, 38°) there occurs a loss of the glutamine amide N without corresponding ammonia formation, while purine N increases. Only part of the disappearing glutamine amide N is used up for purine synthesis. Hence glutamine amide N is used in the muscles for synthesis of other nitrogenous substances as well. The rate of renovation of the glutamine amide N was followed, as well as that of the protein amide N, of the non-protein and of total muscle N, by administering an ammonium salt labelled with N^{15}. The highest rate of renovation was found for the glutamine amide N. Ammonia is presumably included in the metabolism of nitrogenous substances via amidation of the glutamic acid.

FERDMAN, D. L.

"Application of C^{14} and N^{15} in Investigations of Metabolism in Muscles."

paper to be presented at 2nd UN Intl. Conf. on the peaceful uses of Atomic Energy, Geneva, 1 - 13 Sep 58.

T

USSR/Human and Animal Physiology. Metabolism.

Abs Jour: Ref Zhur-Biol., No 20, 1958, 92953.

Author : Ferdman, D.L.
Inst : AS Ukrainian SSR
Title : Metabolic Processes in the Organism with E-Vitamin Deficiency.

Orig Pub: V sb.: Vitaminy. 3. Kiyev, AN USSR, 1956, 142-151.

Abstract: No abstract.

Card : 1/1

8

FERDMAN, D.L.

Modern science on the origin of life. Nauka i zhyttia 8 no.8:42-45 Ag '58. (MIRA 12:1)

1. Chlen-korrespondent AN SSSR.
(Life--Origin)

FERDMAN, D.L.

21(4); 17(0) PHASE I BOOK EXPLOITATION SOV/2808

International Conference on the Peaceful Uses of Atomic Energy. 2d, Geneva, 1958

Doklady sovetskikh uchenykh; radiobiologiya i radiatsionnaya meditsina (Reports of Soviet Scientists; Radiobiology and Radiation Medicine) Moscow, Izd-vo Glav. upr. po ispol'zovaniyu atomnoy energii pri Sovete Ministrov SSSR, 1959. 429 p. 8,000 copies printed. (Series: Vtoraya Mezhdunarodnaya konferentsiya po mirnomu ispol'zovaniyu atomnoy energii. Trudy, tom 5)

General Ed.: A.V. Lebedinskiy, Corresponding Member, USSR Academy of Medical Sciences; Ed.: Z.S. Shirokova; Tech. Ed.: Ye.I. Mazel'.

PURPOSE: This book is intended for physicians, scientists, and engineers as well as for professors and students at vtuzes where radiobiology and radiation medicine are taught.

COVERAGE: This is Volume 5 of a 6-volume set of reports delivered by Soviet scientists at the Second International Conference on the Peaceful Uses of Atomic Energy, held on September 1-13, 1958, in Geneva. Volume 5 contains 32 reports edited by Candidates of Medical Sciences S.V. Levinskiy and V.V. Sedov. The reports cover problems of the biological effects of ionizing radiation, future consequences of radiation in small doses, genetic effects of radiation, treatment of radiation sickness, uses of radioactive isotopes in medical and biological research, uses of atomic energy for diagnostic and therapeutic purposes, soil absorption of uranium fission products, their intake by plants, and their storage in plants and foodstuffs. References accompany each report.

Reports of Soviet Scientists (Cont.) SOV/2808

Card 6/7

FERDMAN, David Lazarevich; GLADYSHEV, B.N., red.; LIPKINA, T.G., red. izd-va; GRIGORCHUK, L.A., tekhn.red.

[Biochemistry] Biokhimiia. Moskva, Gos.izd-vo "Vysshaia shkola," 1959. 596 p. (MIRA 13:5)

1. Chlen-korrespondent AN SSSR (for Ferdman).
(BIOCHEMISTRY)

FERDMAN, D.L.

Biochemical problems at the Eighth Mendeleev Congress of General and Applied Chemistry. Ukr.biokhim.zhur. 31 no.4:634-638 '59.
(MIRA 13:1)

(BIOCHEMISTRY--CONGRESSES)

FRIDMAN, D.L.; EPSHTEYN, S.F.

Data on the dynamic state of adenosinetriphosphoric acid in muscles. Ukr.biokhim.zhur. 31 no.6:815-825 '59. (MIRA 13:5)

1. Institute of Biochemistry of the Academy of Sciences of the Ukrainian S.S.R., Kiyev.
(ADENOSINETRIPHOSPHORIC ACID)

FERDMAN, D.L.

Fourth International Congress of Biochemistry in Vienna. Sept. 1-6, 1958. Visnyk. Kyiv. un. no.2. Ser. biol. no.2:101-102 '60. (MIRA 16:8)

(BIOCHEMISTRY—CONGRESS)

FERDMAN, D.L.

Data on the study of functional biochemistry of muscle. Izv. AN SSSR. Ser. biol. no.3:346-354 My-Je '60. (MIRA 13:7)

1. Institute of Biochemistry, Academy of Sciences of the Ukrainian S.S.R., Kiev.
(MUSCLE) (METABOLISM)

FEHDMAN, D.L.

Chemistry and biochemistry of condensed polyphosphates. Ukr. biokhim.zhur. 32 no.3:452-482 '60. (MIRA 13:6)

1. Institute of Biochemistry of the Academy of Sciences of the Ukrainian S.S.R., Kiyev.
(PHOSPHATES) (PHOSPHORUS METABOLISM)

FERDMAN, D.L. (Kiyev)

Guanidine phosphates (phosphagens). Ukr. biokhim. zhur. 33 no.3: 436-458 '61. (MIRA 14:6)

(PHOSPHAGENS)

FERDMAN, David Lazarevich; PARSADANOVA, K.G., red.; GRIGORCHUK, L.A., tekhn. red.

[Biochemistry]Biokhimiia. Izd.2., perer. i dop. Moskva, Vysshaia shkola, 1962. 612 p. (MIRA 16:3)

1. Chlen-korrespondent Akademii nauk SSSR (for Ferdman).
(BIOCHEMISTRY)

FERDMAN, D.L.

4

ASRATYAN, Ezras Asratovich, Physiological Laboratory, Academy of Sciences USSR, Moscow - "The effect of use and disuse on nerve cells following spinal cord transection" Session II-1

FERDMAN, David Lazarevich, Institute of Biochemistry, Academy of Sciences Ukrainian SSR, Kiev - "Biochemical characteristics of dystrophy and atrophy of muscles" Session II-2-a

KOSTYUK, Platon Grigor'yevich, Deputy Director, Institute of Physiology imeni A.A. Bogomolets, Academy of Sciences Ukrainian SSR, Kiev - "Functional changes in central synapses following denervation" Session II-1

MESHKOVA, N. P., Chair, Animal Biochemistry, Moscow State University, Moscow - "Muscle changes produced by tetanus toxin" II-2-b

report to be submitted for the Symposium on the Effects of Use and Disuse on Neuromuscular Functions (IUPS), Prague-Liblice, Czech. , 18-24 Sep 1962.

FERDMAN, David Lazarevich; FAYNBOYM, I.B., red.; RAKITIN, I.T., tekhn. red.

[Chemistry of living matter] Khimiia zhivogo. Moskva, Izd-vo "Znanie," 1963. 38 p. (Novoe v zhizni, nauke, tekhnike. IX Seriia: Fizika i khimiia, no.15) (MIRA 16:8)

1. Chlen-korrespondent AN SSSR (for Ferdman).
(Biochemistry)

FERDMAN, D.L.; SILAKOVA, A.I.; TRUSH, G.P.

Intensity of the renewal of glutamine and protein amide nitrogen in the cardiac muscle of animals of various ages. Biokhimiia 28 no.3:445-450 My-Je '63. (MIRA 17:2)

1. Institue of Biochemistry, Academy of Sciences of the Ukraininan S.S.R., Kiyev.

FERDMAN, D.L. (Kiyev)

Biochemistry of adenylic acids. Ukr. biokhim. zhur. 35 no.1: 129-152 '63 (MIRA 17:5)

FERDMAN, D.L.

Synthesis reactions using the energy from quaternary ammonium and ternary sulfur (sulfonium). Ukr. biokhim. zhur. 35 no.4:615-635 '63. (MIRA 17:11)

1. Institut biokhimii AN UkrSSR, Kiyev.

FERDMAN, D.L.; GRIGOR'YEVA, V.A.; RADZIYEVSKIY, A.R.; SHCHUKINA, L.V.

Effect of adenosine triphosphate on the course of biochemical processes in the muscles in circulatory disorders. Klin. khir. no.2:29-33 '65. (MIRA 18:10)

1. Institut biokhimii AN UkrSSR (dir.- akademik A.V. Palladin) i Institut zoologii AN UkrSSR (dir.- doktor biolog. nauk P.M. Mezhuga).

FERDMAN, D.L.

Biochemistry of myofibrils. Ukr.biokhim.zhur. 37 no.5:805-811 '65.
(MIRA 18:10)

1. Institut biokhimii AN UkrSSR, Kiyev.

KATSMAN, Feliks Maksimovich; KUDREVATYY, Georgiy Mikhaylovich; FISHER, A.Z., inzh., retsenzent; FERDMAN, G.S., inzh., retsenzent; LUKOVNIKOV, A.A., nauchn. red.; KAZAROV, Yu.S., red.; KOROVENKO, Yu.N., tekhn. red.

[Design of screw-propeller complexes for seagoing ships] Konstruirovanie vinto-rulevykh kompleksov morskikh sudov. Leningrad, Sudpromgiz, 1963. 509 p. (MIRA 16:10)
(Propellers)

S/191/60/000/004/014/015
B016/B058

AUTHORS: Kestel'man, N. Ya., Ferdman, I. A.

TITLE: Influence of the Normalizing Method on the Wear of Outer Layers of Caprone Specimens Due to Liquid Sliding Friction

PERIODICAL: Plasticheskiye massy, 1960, No. 4, pp. 69-70

TEXT: The authors report on their studies of wear due to liquid sliding friction on steplike shaped caprone specimens. They prepared three sets of samples which served for testing layers at different depths with regard to their wear resistance. The samples were normalized at 100°C in water and at 160 to 170°C in oil of the type "Машинное" ("Engine Oil T") for 60 min. The wear tests were made on the "Škoda - Savina" device. The places of friction were amply lubricated with oil of the type "МОТОРНОЕ Т" ("Motor Oil T") and brought into contact with a rotating hard-metal disc. The authors conclude therefrom that: 1) the wear of samples normalized in water increases the more, the closer the layer is to the surface; 2) the contrary is the case with samples normalized in oil. It is shown that the wear resistance of the upper layers of samples

Card 1/2

Influence of the Normalizing Method on the Wear of Outer Layers of Caprone Specimens Due to Liquid Sliding Friction

S/191/60/000/004/014/015
B016/B058

normalized in water is much lower than that of samples normalized in oil. The hardness of samples normalized in oil is 1.3 to 1.7 times higher than that of samples normalized in water. Accordingly, the wear resistance of the former is also greater. Summing up: If workpieces with constant dimensions are to be manufactured in press molds, they are to be normalized in oil. There are 4 figures and 4 Soviet references.

Card 2/2

FERDMAN, I.A.; BORSHTAK, N.M.; BEDRIKOVETSKIY, M.L.

Semiautomatic machine for drilling deep holes. *Mashinostroitel'* no.9:25 S '61. (MIRA 14:10)
(Drilling and boring machinery)

S/081/62/000/009/065/075
B101/B144

AUTHOR: Ferdman, I. A.

TITLE: Study of the effect of the normalizing process on wear in the external layers of caprone specimens under liquid sliding friction

PERIODICAL: Referativnyy zhurnal. Khimiya, no. 9, 1962, 591, abstract 9P30 (Sb. "Plastmassy v mashinostr. i priborostr.". Kiyev, Gostekhizdat USSR, 1961, 356 - 358)

TEXT: Studies were made of the bulk wear occurring in the external layers of caprone specimens subjected to liquid sliding friction in water at 100°C and in T (T) machine oil at 160 - 170°C during one hour, using apparatus of the type "Skoda-Savina". The strength in the external layers was found to increase with increasing depth (down to 3 mm), the wear resistance increasing simultaneously. Resistance values are higher for specimens normalized in oil than for those normalized in water. [Abstracter's note: Complete translation.]

Card 1/1

KOROB, A.D.; FERDMAN, I.A.; KRUPSKIY, V.I.

Testing capron gear wheels in machine tools. Stan. i instr. 36 no.11:30-31 N '65. (MIRA 18:11)

FERDMAN, I.M.

New data on Upper Triassic volcanic formations in the upper Mayya Valley. Trudy VAGT no.8:93-94 '62. (MIRA 15:11)
(Mayya Valley--Volcanic ash, tuff, etc.)
(Mayya Valley--Geology, Stratigraphic)

FERDMAN, L.I.

Practice in preparing the map of isodef to study the neotectonics of the Noril'sk region of Krasnoyarsk Territory. Izv. AN SSSR. Ser. geog. no.3:105-109 My-Je '65. (MIRA 18:6)

1. Noril'skaya nauchno-issledovatel'skaya ekspeditsiya Nauchno-issledovatel'skogo instituta geologii Antarktiki, Leningrad.

FERDMAN, L.I.

Using the method of floodplain study to characterize Holocene movements in the northwestern part of the Central Siberian Upland. Izv. AN SSSR. Ser. geog. no.6:71-73 N-D '65.
(MIRA 18:11)

1. Nauchno-issledovatel'skaya ekspeditsiya Vsesoyuznogo nauchno-issledovatel'skogo instituta geologii Arktiki.

KORNEV, B.V.; FERDMAN, L.I.

Geology and oil and gas potentials of the Chita-Ingoda Depressian in central Transbaikalia. Geol. nefti. i gaza 9 no.7:21-25 Je '65. (MIRA 18:12)

1. Gosudarstvennyy geologicheskiy komitet RSFSR i Gosudarstvennyy trest po geologicheskim izyskaniyam na neft' v Vostochnoy Sibiri.

ABROSKIN, B.; FERDMAN, M.

Profit is our motto. Mast. ugl. 8 no.5:5 My '59.
(MIRA 12:8)

1.Upravlyayushchiy trestom Gukovugol' Rostovskogo sovnarkhoza (for Abroskin). 2.Glavnyy bukhgalter tresta Gukovugol' Rostovskogo sovnarkhoza (for Ferdman).
(Mine management) (Coal mines and mining--Costs)

ABROSKIN, B.; FERDMAN, M.; MALYSH, V.; ZAYTSEVA, Z., prepodavatel';
CHELIKIDI, V.; VOLKOV, I.; KLAPISHEVSKIY, L.

Expand payments by checks. Den.i kred. 21 no.2:60-66 F '63.
(MIRA 16:2)

1. Upravlyayushchiy Gukovskim trestom ugol'nykh predpriyatiy kombinata Shakhtantratsit Ministerstva ugol'noy promyshlennosti SSSR (for Abroskin). 2. Glavnyy bukhgalter Gukovskogo tresta ugol'nykh predpriyatiy kombinata Shakhtantratsit Ministerstva ugol'noy promyshlennosti SSSR (for Ferdman). 3. Upravlyayushchiy Gukovskim otdeleniyem Gosbanka (for Malysh). 4. Odesskiy kreditno-ekonomicheskiy institut (for Zaytseva). 5. Nachal'nik planovo-ekonomicheskogo otdela Sumskoy oblastnoy kontory Gosbanka (for Chelikidi). 6. Starshiy ekonomist planovo-ekonomicheskogo otdela Sumskoy oblastnoy kontory Gosbanka (for Volkov). 7. Glavnyy bukhgalter Kiyevskoy transportno-ekspeditsionnoy kontory (for Klapishevskiy).
(Checks)

FERDMAN, M.I., mayor med. sluzhby

Use of penicillin and ecmolin in ionophoresis as a part of the treatment of pyorrhea alveolaris. Voen. med. zhur. no.3:80 Mr '58. (MIRA 12:7)
(GUM--DISEASES) (PENICILLIN) (ANTIBIOTICS) (ELECTROPHORESIS)

L 13613-66 EWT(d)/EWT(m)/EWP(v)/T/EWP(t)/EWP(k)/EWP(h)/EWP(b)/EWP(l)/EWA(c)

ACC NR: AP6000954 JW/HM/HW (N) SOURCE CODE: UR/0286/65/000/022/0040/0040

AUTHORS: Dobin, I. A.; Ferdman, Sh. G.

35
B

ORG: none

TITLE: A stand for welding sheet metal into strips. Class 21, No. 176337

14,55 K

SOURCE: Byulleten' izobreteniy i tovarnykh znakov, no. 22, 1965, 40

TOPIC TAGS: sheet metal, welding, flux

14

ABSTRACT: This Author Certificate presents a stand for welding sheet metal into strips. The stand includes a receiving table, a mechanism for dispensing flux, pneumatic cylinders, and a roller table (see Fig. 1). To improve the quality of welding by distributing the flux more uniformly, the mechanism for applying flux is

Card 1/2 UDC: 621.791.039-41

L 13613-66

ACC NR: AP6000954

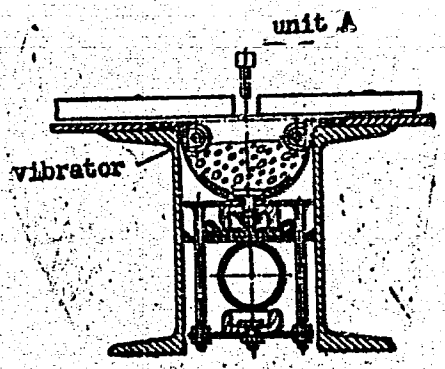


Fig. 1.

provided with a vibrator. Orig. art. has: 1 figure.

SUB CODE: 13/ SUBM DATE: 17Jan63

Card 2/2

FERDMAN, T.D.

Methods for determining urinary estrogen. Vop. med. khim. 7 no.5: 546-549 S-O '61. (MIRA 14:10)

1. The Endocrinological Laboratory of the Ukrainian Research Institute for Mother and Child Health Protection, Kiev.
(ESTROGENS) (URINE--ANALYSIS AND PATHOLOGY)

STEPANKOVS'KA, G.K. [Stepankovs'ka, H.K.], kand.med.nauk; FRUMAN, T.D., mladshiy nauchnyy sotrudnik.

Excretion of sex hormones in women in prolonged pregnancy. Ped., akush. i gin. 25 no.1:48-50 '63. (MIRA 16:5)

1. Ukrains'kiy naukovo-doslidniy institut okhroni materinstva i ditinstva (direktor-dotsent O.G.Pap [O.H.Pap]), naukoviy kerivnik - prof. A.P.Nikolayev).
(HORMONES, SEX) (PREGNANCY, PROTRACTED)

SCHASTNYY, Ye.I., inzh.; FERDMAN, Ye.I., inzh.

KPI-1 flexible apron conveyer. Ugol' Ukr. 4 no.9:35-36 S '60.
(MIRA 13:10)

(Conveying machinery)

FERIMAN, Z. Z.

See Also: CHIZHOVA, N. I. and GREYSHMAN, Yu. D.

Chizhova, N. I., Greyshman, Yu. D. and Ferdman, Z. Z. - "Composite treatment of cancer of the lower lip," Trudy Rost. rentgeno-radiol. i onkol. in-ta, Issue 2, 1948, p. 50-54

SO: U-3566, 15 March 53, (Letopis 'Zhurnal 'nykh Statey, No. 14, 1949).

FERDMAN, Z. Z.

Ferdman, Z. Z. - "Hemangiomas and their treatment," Trudy Rost. rentgeno-radiol. i onkol. in-ta, Issue 2, 1948, p. 65-68

SO: U-3566, 15 March 53, (Letopis 'Zhurnal 'nykh Statey, No. 14, 1949).

FERDMAN, Z.Z.

Echinococcosis of the breast. Khirurgiia, Moskva, o.4:70-71 Ap '50. (CLML 19:2)

1. Of Rostov Roentgeno-Radiological and Oncological Institute imeni Prof. P.I.Bukhman.

BOHROVA, A.G.; FERDMAN, Z.Z.

Recent observations on patients with diffuse polyposis of the rectum and the large intestine. Akt. vop. 1 okt. no.2: 143-150 '63 (MIRA 18:1)

SHUSTROVA, I.Ye.; TSUKANOVA, A.A.; FERDMAN, Z.Z.; SHEVLYAGIN, V.Ya.

Isolation of tumorigenic agents from laryngeal papillomas and polyps of the large intestine in man. Vop. onk. 11 no.2:90 '65.
(MIRA 18:7)

1. Iz otdela immunologii i onkologii (zav. - deystvitel'nyy chlen AMN SSSR prof. L.A. Zil'ber) Instituta epidemiologii i mikrobiologii imeni N.F. Gamalei AMN SSSR (direktor - prof. P.A. Vershilova); ushnogo otdeleniya (zav. - dotsent F.F. Molomuzh) detskoy bol'nitsy Nr.9 imeni F.E. Dzerzhinskogo (glavnyy vrach A.N. Kudryashova) i proktologicheskogo otdeleniya (zav. - prof. A.N. Ryzhikh) Gosudarstvennogo nauchno-issledovatel'skogo onkologicheskogo instituta imeni P.A. Gertsena (direktor: prof. A.N. Novikov).

FERDMAN, Z.Z., kand. med. nauk

Reticulosis simulating diffuse polyposis of the rectum and large intestine. Khirurgiia 41 no.4:135-136 Ap '65.
(MIRA 18:5)

1. Proktologicheskoye otdeleniye (zav. - prof. A.N. Ryzhikh) Gosudarstvennogo onkologicheskogo instituta imeni Gertsena.

KISELEV, I. I., BELASH, G. N., FERE, I. YE.

Tillage

Use of machine-tractor equipment on fields with shelterbelt plantings. Les i step' 4, No. 2, 1952.

9. Monthly List of Russian Accessions, Library of Congress, June 1952, 1953, Uncl.

FERE, N.E.

ANDREYEV, A.B.; ANTONOV, A.I.; ARAPOV, P.P., BARMASH, A.I., BEDNYAKOVA, A.B.; BENIN, G.S.; BERESNEVICH, V.V.; BERNSHTEYN, S.A.; BITYUTSKOV, V.I.; BLYUMENBERG, V.V.; BONCH-BRUYEVICH, M.D.; BORMOTOV, A.D.; BULGAKOV, N.I.; VEKSLER, B.A.; GAVRILENKO, I.V.; GENDLER, Ye.S., [deceased]; GERLIVANOV, N.A., [deceased]; GIBSHMAN, Ye.Ye.; GOLDOVSKIY, Ye.M.; GORBUNOV, P.P.; GORYAINOV, F.A.; GRINBERG, B.G.; GRYUNER, V.S.; DANOVSKIY, N.F.; DZEVUL'SKIY, V.M., [deceased]; DREMAYLO, P.G.; DYBETS, S.G.; D'YACHENKO, P.F.; DYURNBAUM, N.S., [deceased]; YEGORCHENKO, B.F. [deceased]; YEL'YASHKEVICH, S.A.; ZHEREBOV, L.P.; ZAVEL'SKIY, A.S.; ZAVEL'SKIY, F.S.; IVANOVSKIY, S.R.; ITKIN, I.M.; KAZHDAN, A.Ya.; KAZHINSKIY, B.B.; KAPLINSKIY, S.V.; KASATKIN, F.S.; KATSAUROV, I.N.; KITAYGORODSKIY, I.I.; KOLESNIKOV, I.F.; KOLOSOV, V.A.; KOMAROV, N.S.; KOTOV, B.I.; LINDE, V.V.; LEBEDEV, N.V.; LEVITSKIY, N.I.; LOKSHIN, Ya.Yu; LUTTSAU, V.K.; MANNERBERGER, A.A.; MIKHAYLOV, V.A.; MIKHAYLOV, N.M.; MURAV'YEV, I.M.; NYDEL'MAN, G.E.; PAVLYSHKOV, L.S.; POLUYANOV, V.A.; POLYAKOV, Ye.S.; POPOV, V.V.; POPOV, N.I.; RAKHLIN, I.Ye., RZHEVSKIY, V.V.; ROZENBERG, G.V.; ROZENTRETER, B.A.; ROKOTYAN, Ye.S.; RUKAVISHNIKOV, V.I.; RUTOVSKIY, B.N. [deceased]; RYVKIN, P.M.; SMIRNOV, A.P.; STEPANOV, G.Yu, STEPANOV, Yu.A.; TARASOV, L.Ya.; TOKAREV, L.I.; USPASSKIY, P.P.; FEDOROV, A.V.; FERE, N.E.; FRENKEL', N.Z.; KHEYFETS, S.Ya.; KHLOPIN, M.I.; KHODOT, V.V.; SHAMSHUR, V.I.; SHAPIRO, A.Ye.; SHATSOV, N.I.; SHISHKINA, N.N.; SHOR, E.R.; SHPICHENETSKIY, Ye.S.; SHPRINK, B.E.; SHTERLING, S.Z.; SHUTYY, L.R.; SHUKHGAL'TER, L. Ya.; ERVAYS, A.V.;

(Continued on next card)

ANDREYEV, A.B. (continued) .... Card 2.

YAKOVLEV, A.V.; ANDREYEV, Ye.S., retsenzent, redaktor; BERKEN-GEYM, B.M., retsenzent, redaktor; BERMAN, L.D., retsenzent, redaktor; BOLTINSKIY, V.N., retsenzent, redaktor; BONCH-BRUYEVICH, V.L., retsenzent, redaktor; VELLER, M.A., retsenzent, redaktor; VINOGRADOV, A.V., retsenzent, redaktor; GUDTSOV, N.T., retsenzent, redaktor; DEGTYAREV, I.L., retsenzent, redaktor; DEM'YANYUK, F.S., retsenzent; redaktor; DOBROSMYSLOV, I.N., retsenzent, redaktor; YELANCHIK, G.M. retsenzent, redaktor; ZHEMOCHKIN, D.N., retsenzent, redaktor; SHURAVCHENKO, A.N., retsenzent, redaktor; ZLODEYEV, G.A., retsenzent, redaktor; KAPLUNOV, R.P., retsenzent, redaktor; KUSAKOV, M.M., retsenzent, redaktor; LEVINSON, L.Ye., [deceased] retsenzent, redaktor; MALOV, N.N., retsenzent, redaktor; MARKUS, V.A. retsenzent, redaktor; METELITSYN, I.I., retsenzent, redaktor; MIKHAYLOV, S.M., retsenzent; redaktor; OLIVETSKIY, B.A., retsenzent, redaktor; PAVLOV, B.A., retsenzent, redaktor; PANYUKOV, N.P., retsenzent, redaktor; PLAKSIN, I.N., retsenzent, redaktor; RAKOV, K.A. retsenzent, redaktor; RZHAVINSKIY, V.V., retsenzent, redaktor; RINBERG, A.M., retsenzent; redaktor; ROGOVIN, N. Ye., retsenzent, redaktor; RUDENKO, K.G., retsenzent, redaktor; RUTOVSKIY, B.N., [deceased] retsenzent, redaktor; RYZHOV, P.A., retsenzent, redaktor; SANDOMIRSKIY, V.B., retsenzent, redaktor; SKRAMTAYEV, B.G., retsenzent, redaktor; SOKOV, V.S., retsenzent, redaktor; SOKOLOV, N.S., retsenzent, redaktor; SPIVAKOVSKIY, A.O., retsenzent, redaktor; STRAMENTOV, A.Ye., retsenzent, redaktor; STRELETSKIY, N.S., retsenzent, redaktor;

(Continued on next card)

ANDREYEV, A.V.,(continued) .... Card 3.

TRET'YAKOV, A.P., retsenzent, redaktor; FAYERMAN, Ye.M., retsenzent, redaktor; KHACHATYROV, T.S., retsenzent, redaktor; CHERNOV, H.V., retsenzent, redaktor; SHERGIN, A.P., retsenzent, redaktor; SHESTOPAL, V.M., retsenzent, redaktor; SHESHKO, Ye.F., retsenzent, redaktor; SHCHAPOV, N.M., retsenzent, redaktor; YAKOBSON, M.O., retsenzent, redaktor; STEPANOV, Yu.A., Professor, redaktor; DEM'YANYUK, F.S., professor, redaktor; ZNAMENSKIY, A.A., inzhener, redaktor;PLAKSIN, I.N., redaktor; RUTOVSKIY, B.N. [deceased] doktor khimicheskikh nauk, professor, redaktor; SHUKHGAL'TER, L. Ya, kandidat tekhnicheskikh nauk, dotsent, redaktor;BRESTINA, B.S., redaktor; ZNAMENSKIY, A.A., redaktor.

(Continued on next card)

ANDREYEV, A.V. (continued) .... Card 4.

[Concise polytechnical dictionary] Kratkii politekhnicheskii slovar'. Redaktsionnyi sovet; IU.A.Stepanov i dr. Moskva, Gos. izd-vo tekhniko-teoret. lit-ry, 1955. 1136 p. (MLRA 8:12)

1. Chlen-korrespondent AN SSSR (for Plaksin)
(Technology--Dictionaries)

YELENEV, A.V., inzhener; [illegible], dotsent; DUBROVSKIY, V.A., redaktor; RYBIN, I.V., tekhnicheskiy redaktor

[Principles of the mechanization of agriculture; a textbook for students in grades 8-10 of the secondary schools] Uchebnoe posobie dlia uchashchikhsia VIII-X klassov srednei shkoly. Moskva, Gos. uchebno-pedagog. izd-vo Ministerstva prosveshcheniia RSFSR, 1956. 351 p. (MLRA 10:3)

(Agricultural machinery)

FERE, Nikolay Eduardovich; YELENEV, Aleksey Vasil'yevich

[Agricultural machinery; a textbook for students in the 8th grade]Sel'skokhoziaistvennoe mashinovedenie; uchebnoe posobie dlia uchashchikhsia VIII klassa. Izd.2. Moskva, Gos. uchebno-pedagog. izd-vo, 1959. 246 p. (MIRA 16:1)
(Agricultural machinery)

KISELEV, I.I., dotsent; FERE, N.E., dotsent

Efficiency and technology of the horizontal plowing of slopes by tractor. Trudy MIMESKH 6:83-122 '59. (MIRA 14:5)
(Plowing)

FERE N. N.

[illegible], Bronislav Stanislavovich; ANNENKOV(?), N.S., red.; ANTONOVSKIY(?), B.N., red.; [illegible], A.V., red.; GLAZKO(?), V.A., red.; [illegible], P.S., red.; [illegible], A.P., red.; [illegible], A.V., red.; KISELEV(?), I.I., red.; [illegible], A.D., red.; [illegible], N.A., red.; [illegible], [illegible] red.; [illegible], A.I., red.; [illegible], N.D., red.; FERE(?), [illegible] red.; [illegible], [illegible], red.; [illegible], [illegible], tekhn. red.; [illegible], S.D.(?), tekhn. red.

[Utilization of tractors and machinery] Ekspluatatsiia mashinno-traktornogo parka. Izd.3., perer. Moskva, Gos. izd-vo sel'khoz. lit-ry, 1958. 660 p. (MIRA 11:10)

(Agricultural machinery)

6

FEREBAUER, RUDOLF

CZECHOSLOVAKIA/Chemical Technology - Chemical Products and Their Application. - Processes and Apparatus for Chemical Technology. H-2

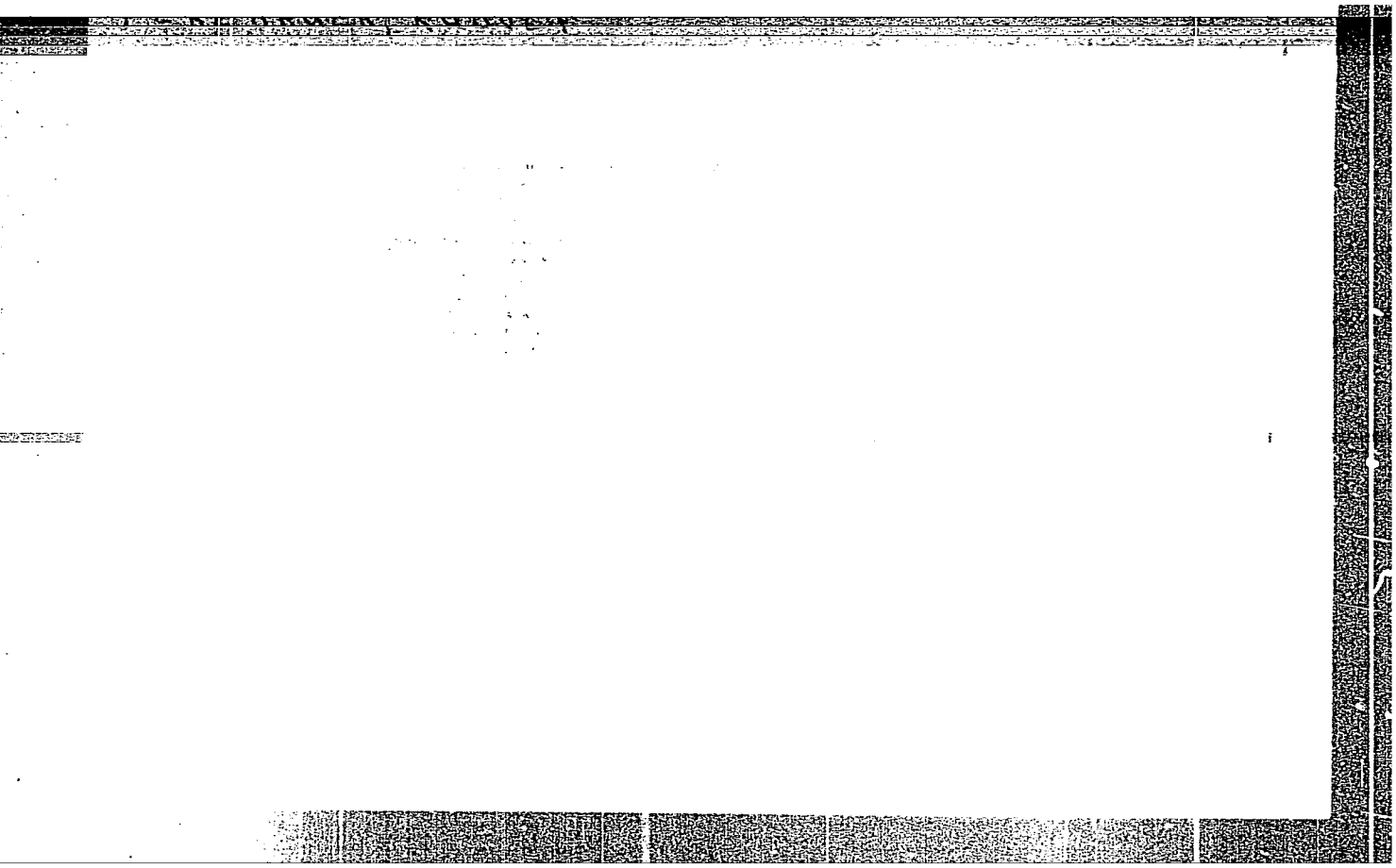
Abs Jour : Ref Zhur - Khimiya, No 3, 1958, 8262

Author : Ferebauer Rudolf
Inst :
Title : Determination of Thermal Insulating Characteristics of Materials.

Orig Pub : Veda a vyzk. v prumyslu kozedeln., 1956, 2, 27-44

Abstract : No abstract.

Card 1/1



APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R000412910016-7"

KARADY, Gyorgy, dr.; SZECSENY, Andor, dr.; FEREC, Daniel, dr.

Bilateral or contralateral pneumothorax as a complication of surgery. Magy. sebesz. 15 no.6:362-369 D '62.

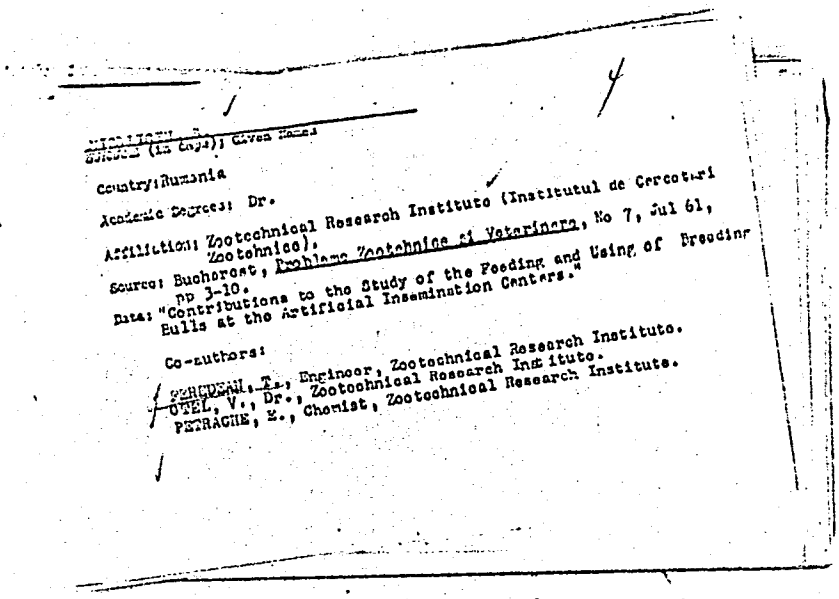
1. A Budapesti Orvostudomanyi Egyetem II. sz. Sebeszeti Klinikajanak kozlemenye Igazgato: Rubanyi Pal dr. egyetemi tanar.
(PNEUMOTHORAX) (PNEUMONECTOMY)

FEREDEAN, N.T., ing.

Utilizing the cold in the biology of reproduction. St. si Teh Buc 16 no.2:7 F '64.

1. Institutul de Cercetari Zootehnice, Bucuresti.

Teodean F.



[illegible] (in Engl.)) Given Names

Country: Rumania

Academic Degrees: Dr.

Affiliation: Zootechnical Research Institute (Institutul de Cercetari Zootehnice).

Source: Bucharest, Probleme Zootehnice si Veterinare, No 7, Jul 61, pp 3-10.

Data: "Contributions to the Study of the Feeding and Using of Breeding Bulls at the Artificial Insemination Centers."

Co-authors:

[illegible], T., Engineer, Zootechnical Research Institute.
OTEL, V., Dr., Zootechnical Research Institute.
PETRACHE, E., Chemist, Zootechnical Research Institute.

CZECHOSLOVAKIA

M. PARASKIVESCU and T. FEREDYAN, Research Institute for Animal Products [original version not stated], Bucharest.

"Nervous Type and Breeding Efficiency in Bulls and Rams."

Prague, Veterinarni Medicina, Vol 7, No 12, Dec 62; pp 837-842.

Abstract [English summary modified]: Study in 16 bulls and 40 Merino rams used for breeding by artificial insemination. There are in both species 4 types: vivacious, calm, nervous, and lazy. The first 2 are best, the 3rd may be used with qualificat ons, the 4th is least suitable. The morphologic and behavioral characteristics of the 4 types are described. The first 2 types are more frequent. Three tables; 5 Soviet and 1 Slovak reference.

1/1

L 14418-66 EWP(z)/EWT(m)/EWP(b)/EWA(d)/EWP(t) IJP(c) MJW/JD/WB-
ACC. NR. AP6002123 SOURCE CODE: UR/0369/65/001/006/0717/0719

AUTHOR: Moroz, V. G.; Zelentsov, P. N.; Ivako, L. P.; Saunin, V. I.; Fereferov, Yu. I.

45 44 B

ORG: NII of Petroleum Machinery, Angarsk (NII neftyanogo mashinostroyeniya)

TITLE: Effectiveness of cladding layer of OKh13 steel on sheets of 20K steel against hydrogen corrosion

18,44,55 18 18 27 18,44,55

SOURCE: Fiziko-khimicheskaya mekhanika materialov, v. 1, no. 6, 1965, 717-719

TOPIC TAGS: steel, protective coating, hydrogen embrittlement, metal cladding

ABSTRACT: To determine the extent to which a cladding layer of OKh13 steel protects 20K steel from hydrogen corrosion, clad and unclad samples were tested under identical conditions. The hydrogen composition was 92% H_2, 0.10-0.20% CO, 2.0-2.8% CH_4, 5.0-7.0% N_2. A layer of OKh13 steel 1.4-2mm thick was found to provide good corrosion protection at hydrogen pressures of 300, 200, and 100 atm. and temperatures of 400, 450, and 500C. Under these conditions, the unclad steel samples are decarburized. Experiments showed that the decrease in the hydrogen permeability of the clad samples and hence, the desirable protective properties of the cladding layer are due to a hindering of the diffusion of

18

Card 1/2

L 14418-66

ACC. NR.: AP6002123

hydrogen through OKh13 steel. A clad sample of 20K steel kept for 6154 hr. under 100 atm. hydrogen pressure at 500C showed a low hydrogen permeability, the absence of decarburization, and a good plasticity. Orig. art. has: 1 figure and 1 table.

SUB CODE: 11 / SUBM DATE: 17Dec64

hydrogen embrittlement 18

jc

Card 2/2

FERENBOK, Ya.L. [Ferenbok, AI. L.]

Growing sugar beets in checkrows. Mekh. sil'. hosp. 10 no.3:9-11 Mr '59. (MIRA 12:6)

1.Glavnyy agronom-inspektor po sakharnoy svekle Vinnitskogo oblastnogo upravleniya sel'skogo khozyaystva.
(Sugar beets)

PORUTSKIY, G.V. [Poruts'kyi, H.V.]; CHEREDNICHENKO, S.V.; FERENBOK, Ya.L.

Production of superphosphate enriched with petroleum growth inhibiting substances. Khim. prom. [Ukr.] no.3:48-49 Jl-S '64.
(MIRA 17:12)